PTO/SB/21 (09-04) *AFZhu***TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

15

Application Number

09/882,283

Filing Date

June 14, 2001

First Named Inventor

Chen, Xiaopeng

Art Unit

2133

Examiner Name

Joseph D. Torres

Attorney Docket Number

020945-001510US

**ENCLOSURES** (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional ApplicationPower of Attorney, Revocation  
Change of Correspondence Address

Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_



Landscape Table on CD



After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):

Return Postcard

Certified Copy of Priority  
Document(s)Reply to Missing Parts/ Incomplete  
ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Remarks

The Commissioner is authorized to charge any additional fees to Deposit  
Account 20-1430.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Townsend and Townsend and Crew LLP

Signature

Printed name

Ko-Fang Chang

Date

January 28, 2005

Reg. No.

50,829

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

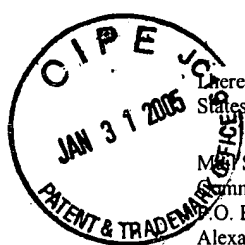
Signature

Typed or printed name

Cynthia McKinley

Date

January 28, 2005

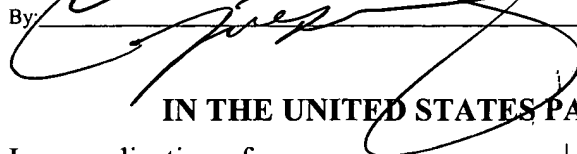


Whereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE –  
EXAMINING GROUP 2133

On 1/28/05  
TOWNSEND and TOWNSEND and CREW LLP

By: 

PATENT  
Attorney Docket No.: 020945-001510US  
Corres. and Mail  
BOX AF

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Xiaopeng Chen et al.

Application No.: 09/882,283

Filed: June 14, 2001

For: METHOD FOR ITERATIVE AND  
NON-ITERATIVE DATA  
DETECTION USING REDUCED-  
STATE SOFT-INPUT/SOFT-  
OUTPUT ALGORITHMS FOR  
COMPLEXITY REDUCTION

Confirmation No. 7871

Examiner: Joseph D. Torres

Technology Center/Art Unit: 2133

AMENDMENT UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE EXAMINING  
GROUP 2133

**Mail Stop AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Final Office Action mailed November 23, 2004 on the above-referenced application, please enter the following amendments and remarks:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this paper.

**Remarks/Arguments** begin on page 12 of this paper.